At page 8, line 7, please delete "pins" and insert –locations–;
line 8, please delete "pins" and insert –locations–;
line 18, please delete "pins" and insert –locations– at both occurrences; and
line 20, after "layer.", please insert – Figure 4 illustrates a circuit board 52

coupled to a socket module 50 which is connected at load locations 20 to the powerplane 40. –

IN THE CLAIMS:

For the convenience of the Examiner and Applicants, all claims and any amendments are presented herein. Claims 2, 4-8, and 11 have been amended. Claim 14 has been added.

77	1	1.(Unchanged	A powerplane for use in a backplane power distribution system,
the the term are deal	2	comprising:	
	3	(a)	a conductive sheet;
	4	(b)	at least one source location on said conductive sheet for coupling to a power
	5		source;
===	6	(c)	a plurality of load locations on said conductive sheet for coupling to at least one
der der der der der ger der	7		load;
	8	(d)	a plurality of variable resistances between said at least one source location and
	9		said plurality of load locations to distribute substantially the same amount of
	10		current from said at least one source location to each of said plurality of load
	11		locations.

- 1 2.(Amended) A powerplane according to claim 1, wherein said [backplane] powerplane
- 2 includes a plurality of load pins and [a plurality of source pins] at least one source pin and
- 3 wherein said at least one source location and said plurality of load locations comprise vias for
- 4 receiving a corresponding one of said [source pins] at least one source pin and said load pins,
- 5 at least a portion of said vias having plated perimeters for electrically connecting said
- 6 powerplane to said load pins and source pins.

1	4.(Amended)	A backplane power distribution system for distributing power from a power	ì٤

2 source, comprising:

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## a laminate having

a plurality of interleaved dielectric layers and conductive layers wherein at least one of said conductive layers is [used as] a powerplane for distributing said power; and a plurality of source locations and load locations, said source locations being provided to couple said powerplane to said power source and said load [pins] locations being provided to couple said powerplane to at least one load,

a plurality of variable resistances arranged on said powerplane to distribute current so the voltage difference between said load locations is reduced to near zero.

- 5.(Amended) A backplane power distribution system according to claim [11]4, wherein said
- 2 source locations and said load locations define a plurality of holes passing through said
- 3 laminate, said holes forming vias in each of said layers of said laminate, said vias being
- 4 adapted to couple said [backplane] <u>powerplane</u> to said loads and said power source.
- 6.(Amended) A backplane power distribution system according to claim [14]5, wherein said
- 2 laminate further includes source pins and load pins, and wherein a first number of said vias in
- at least one of said conductive layers are provided with plated perimeters for connection to
- 4 said load pins and said source pins and a second number of said vias in said at least one of
- 5 said conductive layer are provided with an insulated perimeter for insulating said second
- 6 number of vias from said load pins and source pins.
- 1 7.(Amended) A backplane power distribution system according to claim [11]4, wherein
- 2 said conductive layers comprise copper.
- 1 8.(Amended) A backplane power distribution system according to claim [11]4, wherein said
- 2 load locations are provided to couple said powerplane to at least one circuit board.

2 comprising:		
o ( ) and a district about		
3 (a) a conductive sheet;		
4 (b) means to couple a power source to said conductive sheet;		
5 (c) means to couple at least one load to said conductive sheet;		
6 (d) means to distribute substantially the same amount of current from said	power	
7 source to all of said at least one load.		
1 10.(Unchanged) The powerplane of Claim 9, wherein said conductive sheet is co	opper.	
1 11.(Amended) The powerplane of Claim 9, wherein said means to couple said	power	
2 source and said means to couple said at least one load to said conductive sheet are s	selected	
3 from the group comprising: connector straps, pads, and vias which receive a plurality	of	
from the group comprising: connector straps, pads, and vias which receive a plurality  4 source pins and a plurality of load pins[, respectively].  1 12.(Unchanged) The powerplane of Claim 9, wherein said means to distribute		
1 12.(Unchanged) The powerplane of Claim 9, wherein said means to distribute		
2 substantially the same amount of current further comprises a plurality of resistance va	ariations	
្នាំ 3 in the structure of the powerplane.		
3 in the structure of the powerplane.		
The powerplane of Claim 11, wherein  said plurality of load [pins] locations further comprises near load [pins]		
said plurality of load [pins] <u>locations</u> further comprises near load [pins]	locations	
and distant load [pins] <u>locations</u> with said near load [pins] <u>locations</u> being nea	rer to	
said plurality of source [pins] <u>locations</u> than said distant load [pins] <u>locations</u> , a	said plurality of source [pins] locations than said distant load [pins] locations, and	
5 wherein said means to distribute substantially the same amount of curr	rent	
6 further comprises:		
7 means to variably increase the resistance of the powerplane be	etween	
8 said plurality of source [pins] <u>locations</u> and said load [pins] <u>locations</u> , a	ind	
9 means to substantially reduce the voltage difference between s	said near	
10 load [pins] locations and said distant load [pins] locations.		